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<210> 5657

⟨211⟩ 572

<212> DNA

<213> Homo sapiens

#### <400> 5657

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**<210> 5658** 

<211> 577

<212> DNA

<213> Homo sapiens

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<213> Homo sapiens

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<210> 5662

⟨211⟩ 483

<212> DNA

<213> Homo sapiens

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<210> 5663

<211> 586

<212> DNA

<213> Homo sapiens

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⟨211⟩ 587

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<210> 5665

<211> 572

<212> DNA

### <213> Homo sapiens

### <400> 5665

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<210> 5666

<211> 586

<212> DNA

<213> Homo sapiens

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<210> 5669

<211> 586

<212> DNA

<213> Homo sapiens

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<210> 5670

<211> 572

<212> DNA

<213> Homo sapiens

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<210> 5671

<211> 492

<212> DNA

<213> Homo sapiens

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<210> 5672

<211> 604

<212> DNA

<213> Homo sapiens

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<210> 5673

<211> 614

<212> DNA

<213> Homo sapiens

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<210> 5676

<211> 608

<212> DNA

<213> Homo sapiens

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<210> 5677

<211> 610

<212> DNA

### <213> Homo sapiens ∙

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⟨210⟩ 5678

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<213> Homo sapiens

#### <400> 5678

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<210> 5679

<211> 605

<212> DNA

<213> Homo sapiens

### <400> 5679

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gacggacggg	actttgacgt	ggctcaaggc	aagttcttnt	caantncaag	aaggaaaagg	540
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<210> 5680

<211> 357

<212> DNA

<213> Homo sapiens

<400> 5680

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<210> 5681

<211> 596

<212> DNA ·

<213> Homo sapiens

<400> 5681

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<210> 5682

<211> 598

<212> DNA

<213> Homo sapiens

<400> 5682

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<210> 5683

<211> 588

<212> DNA

<213> Homo sapiens

#### <400> 5683

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<210> 5684

<211> 585 <212> DNA <213> Homo sapiens

### <400> 5684

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<210> 5685

⟨211⟩ 602

<212> DNA

<213> Homo sapiens

#### <400> 5685

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etetggeete agatagtttt eteacacata tgeactaace agtaettagt taaacactag 180
ggtaggaeet eetggagata geeagagtgt tetetetgtg eagetttett etttetggta 240
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teagaggaee teeagaatat geetgggetg eteeteetg ggetggtate tggaaattgt 360
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tttttcaatt	gggncatgtg	angggggtaa	ataaatcgag	gcccctttac	ttaatcttgg	540
gccngaagaa	gaaangagga	agtctcctgg	ggcnttttaa	cnctcttttg	aaacccaact	600
tt			•			602

<210> 5686

<211> 597

<212>. DNA

<213> Homo sapiens

### <400> 5686 €

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cgcgcacttt	aatcatgatc	cactccatcg	ttcctcccag	gacaaaaaag	aagggcagga	180
accggtagat	gccaaatcgc	tgctccttct	gaacttggaa	acagaatcgg	ctccctattt	240
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tgtatgatgg	tctctcctga	gtctaacagg	tcccacagcg	catggcaaaa	gggcagattt	360
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<210> 5687

<211> 596

<212> DNA

<213> Homo sapiens

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120 acattetate atcetatgat taagteteag tettttagta ageatatgee tetggtgtae 180 aaacttctaa gtgtttcctc agtattcttc tcccctcttt ggtaggacag gatggctaga 240 gttgtctgga gtttagtatt tcccttctct gatgcagaag gttagagctg acaagagtta 300 ggtatttccc ttcccttggg tcaggctcta ataatacccc agcaggttag gatttagcta 360 actaatttct cctgggggca gaccttgtta agaagagcac agtgctctgg catatttcaa 420 aatggttcat ttcaccttcc ccctgccaga acacataggg atttttctgc aatatttact 480 tggagaatct aattgagctc atgtaggtaa gctaacaaaa atgggggggt tncccatgaa 540 gngggtcctc ctggaggtta aaactttcaa agtggtcata ctgaacctcc tataan 596

<210> 5688

<211> 585

<212> DNA

<213> Homo sapiens

### <400> 5688

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<210> 5689

<211> 586

<212> DNA

# <213> Homo sapiens

### <400> 5689

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agctgcgaad	aggattcaag	gtggaaagac	ctttggggtc	tgagaagaac	tggttggaac	540
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<210> 5690

<211> 371

<212> DNA

<213≯ Homo sapiens

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<210> 5691 <211> 588 <212> DNA <213> Homo sapiens

### <400> 5691

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<210> 5692

<211> 585

<212> DNA

<213> Homo sapiens

#### <400> 5692

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<210> 5693

⟨211⟩ 590

<212> DNA

<213> Homo sapiens

**<400>** 5693

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⟨211⟩ 584

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<213> Homo sapiens

<400> 5694

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<210> 5695

⟨211⟩ 578

<212> DNA

<213> Homo sapiens

#### <400> 5695

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<211> 544

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<213> Homo sapiens

**<400>** 5696.

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<210> 5697

<211> 566

<212> DNA

<213≻ Homo sapiens

# <400> 5697

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cacaaaagca	aacttgagac	accctcctta	tcgctactgc	actatgaaat	atgaccaaac	180

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aaggacaaaa tatgtggtta ctgagccatt actatgatnc acatacccca gaaaggattt 420
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<212> DNA

<213> Homo sapiens

### <400> 5700

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<210> 5701

<211> 600

<212> DNA

### <213> Homo sapiens

### <400> 5701

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<210> 5702

<211> 474

<212> DNA

<213> Homo sapiens

### <400> 5702

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aagccatatt	aacattttt	tccgttagaa	aacatgatgt	acaaaacttt	ggatgaaaag	120
atacgtcaaa	tttcatttaa	tcacttggag	gaaaatccac	caactccatc	aataccaccc	180
aaagngtttt	aggcagngaa	taaaatcaaa	ataatgcatc	ttaataaatt	ccagctgtta	240
aaagaacaaa	cttagcaata	tataacagtt	tgctaacagg	atttttgact	attcactttg	300
ggagttattt	ttaaaaatcc	actttttac	tgagtcttac	tacataccag	gcactgtact	360
tgggccatct	anggtaacta	agaaaaccgt	tggttaagat	nggaangacc	cttaaatcag	420
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<210> 5703 <211> 576 <212> DNA <213> Homo sapiens

<400> 5703

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<210> 5704

<211> 584

<212> DNA

<213> Homo sapiens

#### <400> 5704

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<210> 5705

<211> 598

<212> DNA

<213> Homo sapiens

### <400> 5705

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<210> 5706

<211> 462

<212> DNA

<213> Homo sapiens

<400> 5706

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<210> 5707

<211> 566

<212> DNA

<213> Homo sapiens

### <400> 5707

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<210> 5708

⟨211⟩ 565

<212> DNA

<213> Homo sapiens

### <400> 5708

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<210> 5709

⟨211⟩ 558

<212> DNA

<213> Homo sapiens

### **<400> 5709**

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<210> 5710		•				
<211> 559					·	
<212> DNA			•			
<213> Homo	sapiens		•			
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tgaaggaaat	ggaggcacca	agggtaaagt	agccagcaca	agtcagacct	catggcgggg	180
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<210> 5712

⟨211⟩ 338

<212> DNA

<213≻ Homo sapiens

<400> 5712

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gtgggaggca	gcgctgagat	gataaatgct	gggctcanat	ccagcttggg	ccactcactc	180
ccaagattca	tacacaaaca	gaccagcttg	atcagggccc	agcagggagg	tgaggcttaa	240
gcctcctcgc	tggaggagga	gccaataaga	agactggcag	cttggatagt	gagtgtgtgt	300
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<210> 5713

<211> 555

<212> DNA

<213≻ Homo sapiens

<400> 5713

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ataatgacat	ttccgctgca	ttttttcca	tcaagaatac	caaaacagtt	tcctaatata	120
cagtatttga	aagtgtttgc	catattggct	cttaaaatga	tagactaatt	tttctcattc	180
aataaaagaa	aatttctaat	aacaaaatac	atgtaaagtt	agaatttat	aatttccaca	240

aaggaagcag	catttattaa	ccagagtact	tgtttgcaat	tttttatctg	tgaaaatatt	300
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<210> 5714

<211> 553

<212> DNA

<213> Homo sapiens

# <400> 5714

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<210> 5715

<211>√564

<212> DNA

<213> Homo sapiens

### <400> 5715

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<210> 5716

<211> 564

<212> DNA

<213> Homo sapiens

#### <400> 5716

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<210> 5717 <211> 525 <212> DNA <213> Homo sapiens

### <400> 5717

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<210> 5718

<211> 540

<212> DNA

<213> Homo sapiens

#### <400> 5718

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<210> 5719

<211> 561

<212> DNA

<213> Homo sapiens

#### <400> 5719

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<210> 5720

<211> 406

<212> DNA

<213> Homo sapiens

#### <400> 5720

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		tttaatctat	ttttaatant			240 248
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<211> 573

<212> DNA

<213> Homo sapiens

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<210> 5726

<211> 530

<212> DNA

<213> Homo sapiens

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<210> 5727

<211> 545

<212> DNA

<213> Homo sapiens

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<211> 569
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<210> 5731

⟨211⟩ 583

<212> DNA

<213> Homo sapiens

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<210> 5732

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⟨213⟩ Homo sapiens

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<210> 5733

<211> 564

<212> DNA

<213> Homo sapiens

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⟨210⟩ 5734

<211> 558 ¹

<212> DNA

<213> Homo sapiens

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⟨210⟩ 5735

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#### <400> 5735

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<211> 571

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<210> 5738

⟨211⟩ 567

<212> DNA

<213> Homo sapiens

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<210> 5739

<211> 504

<212> DNA

<213> Homo sapiens

### <400> 5739

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<210> 5740

<211> 560

<212> DNA

<213> Homo sapiens

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<210> 5741

⟨211⟩ 557

<212> DNA

<213> Homo sapiens

## <400> 5741

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<210> 5742

<211> 512

<212> DNA

<213> Homo sapiens

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<210> 5743

<211> 551

<212> DNA

<213> Homo sapiens

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<210> 5746

<211> 563

<212> DNA

<213> Homo sapiens

## <400> 5746

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<210> 5747

<211> 550

<212> DNA

<213> Homo sapiens

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<210> 5748

⟨211⟩ 558

<212> DNA

<213> Homo sapiens

#### <400> 5748

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<210> 5749

<211> 541

<212> DNA

#### <213> Homo sapiens

#### <400> 5749

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<210> 5750

<211> 564

<212> DNA

<213> Homo sapiens

### <400> 5750

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<211> 575

<212> DNA

<213> Homo sapiens

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⟨210⟩ 5754

<211> 590

<212> DNA

<213> Homo sapiens

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<210> 5755

<211> 557

<212> DNA

<213> Homo sapiens

#### <400> 5755

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<211> 529

<212> DNA

<213> Homo sapiens

<400> 5756

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<210> 5757

⟨211⟩ 571

<212> DNA

<213> Homo sapiens

<400> 5757

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240

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<211> 580

<212> DNA

<213> Homo sapiens

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<210> 5761

<211> 521

<212> DNA

<213> Homo sapiens

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<210> 5762

⟨211⟩ 533

<212> DNA

<213> Homo sapiens

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<210> 5763

<211> 462

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# <213≻ Homo sapiens

# <400> 5763

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⟨211⟩ 513

<212> DNA

<213> Homo sapiens

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<210> 5765

<211> 543
<212> DNA
<213> Homo sapiens

#### <400> 5765

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<210> 5766

<211> 556

<212> DNA

<213> Homo sapiens

#### <400> 5766

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<210> 5767

⟨211⟩ 523

<212> DNA

<213> Homo sapiens

## <400> 5767

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ctttttcaac	taaattgaat	catgtagtaa	tatctgattt	catagctttc	tgggggaaaa	480
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<210> 5768

⟨211⟩ 537

<212> DNA

<213> Homo sapiens

## <400> 5768

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<210> 5769

<211> 531

<212> DNA

<213> Homo sapiens

<400> 5769

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<210> 5770

<211> 548

<212> DNA

<213> Homo sapiens

<400> 5770

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<210> 5771

<211> 540

<212> DNA

<213> Homo sapiens

#### <400> 5771

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<210> 5772

<211> 542

<212> DNA

<213> Homo sapiens

<400> 5772

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ca						542

<210> 5773

<211> 280

<212> DNA

<213≻ Homo sapiens

<400> 5773

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С	atttccttc	acttagtcca	cggccactcg	gcgctcatcc	ccagcacagc	cctcccagg	180
С	cgcggcaaa	gactgttgct	gtcctgctga	gggatgtgcc	cccggggatt	caatcgagat	240
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<210> 5774

<211>.403

<212> DNA

# <213≻ Homo sapiens

## **<400> 5774**

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agctcctctc	ttaggcttgt	tgacccatag	gtctctgccc	tctgggccct	ctggcagncc	360
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<210> 5775

<211> 549

<212> DNA

<213> Homo sapiens

## <400> 5775

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ggtatgtcac	tgcactcttc	ttacgctctg	gctcaaagac	tgctccactg	tagaccggat	180
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aaccgtttgg	ctatggttgc	antctgncca	ttgacnacac	cggaccgggt	ggattggaat	540
ctgggatng						549

<210> 5776

<211> 530

<212> DNA

<213> Homo sapiens

<400> 5776

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ggaaaggggg gctgaggtag ggggcccagt gatcaggcac ctgatcccaa aagtgggcct

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<210> 5777

<211> 541

<212> DNA

<213> Homo sapiens

#### <400> 5777

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120

180

240

300

360

420

480

530

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<210> 5778

<211> 539

<212> DNA

<213≻ Homo sapiens

## <400> 5778

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gggccttggt	caaggtctgt	ggcggcaatt	ttatgagaag	cgtaccaagt	gccanatntt	480
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<210> 5779

<211> 493

<212> DNA

<213> Homo sapiens

## <400> 5779

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<210> 5780

⟨211⟩ 530

<212> DNA

<213> Homo sapiens

<400> 5780

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<210> 5781

<211> 541

<212> DNA

<213> Homo sapiens

<400> 5781

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<210> 5782

<211> 529

<212> DNA

<213> Homo sapiens

#### <400> 5782

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<210> 5783

<211> 494

<212> DNA

<213> Homo sapiens

#### <400> 5783

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<211> 485

<212> DNA

<213> Homo sapiens

#### <400> 5784

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<210> 5785

<211> 512

<212> DNA						
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<400> 5785						
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<210> 5787

<211> 541

<212> DNA

<213> Homo sapiens

# <400> 5787

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<210> 5788

<211> 475

<212> DNA

<213> Homo sapiens

<400> 5788

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ataacccaca	caccactgac	aaccttcctt	ctcatacagt	gaggtaggtc	aggaaagagg	360
aaatataggt	accaactagt	aacgaatagg	ggaccttatt	aataggtagt	aaaagcttaa	420
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⟨210⟩ 5789

<211> 431

<212> DNA

<213> Homo sapiens

<400> 5789

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<211> 557

<212> DNA

<213> Homo sapiens

<400> 5790

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⟨210⟩ 5791

⟨211⟩ 553

<212> DNA

<213> Homo sapiens

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<211> 553

<212> DNA

<213> Homo sapiens

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# · 特平11-248036

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<210> 5796

<211> 560

<212> DNA

<213> Homo sapiens

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<210> 5797

<211> 550

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# <213> Homo sapiens

# <400> 5797

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<210> 5798

<211> 498

<212> DNA

<213> Homo sapiens

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<210> 5799
<211> 328
<212> DNA
<213> Homo sapiens

<400> 5799

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<210> 5800

<211> 563

<212> DNA

<213> Homo sapiens

<400> 5800

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<213≻ Homo sapiens

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<211> 563

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<213> Homo sapiens

#### <400> 5804

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<211> 446

<212> DNA

<213> Homo sapiens

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<211> 561

<212> DNA

# <213≯ Homo sapiens

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<210> 5807 ⋅

<211> 559

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<213> Homo sapiens

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<213> Homo sapiens

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⟨211⟩ 571

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<213> Homo sapiens

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⟨210⟩ 5812

⟨211⟩ 553

<212> DNA

<213> Homo sapiens

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<210> 5813

<211> 563

<212> DNA

<213> Homo sapiens

# <400> 5813

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<210> 5814

<211> 555

<212> DNA

<213> Homo sapiens

# <400> 5814

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<210> 5815
<211> 577
<212> DNA
<213> Homo sapiens

#### <400> 5815

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<210> 5816

<211> 538

<212> DNA

<213> Homo sapiens

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gagaatggac taatatagta cattgagtgg agtgctgcta taaagagacc caaaaatgta 360 gaagcaactt tggaactggg taacaagcag aggttgaaag tttggagggc tcagaagaag 420 acaggaaggt gtgggaaagg tttggaactt tctaagagac ttggtgaaan gggtttggcc 480 caaaatgcta ataggggatn tggccaatga aannccaggc tgnatttggt tttcanan 538

<210> 5817

(211) 561

· <212> DNA

<213> Homo sapiens

#### ⟨400⟩ 5817

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<210> 5818

<211> 564

<212> DNA

<213> Homo sapiens

#### <400> 5818

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<210> 5819

<211> 564

<212> DNA

<213> Homo sapiens

#### <400> 5819

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<210> 5820

⟨211⟩ 325

<212> DNA

<213≻ Homo sapiens

# <400> 5820

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tcaccaaccc	ttggatgggc	tcccaaggtt	gngcaaaana	tgctccagtc	aaaaggatag	180
agacatttgg	gaataaggct	gnccccaagt	tgggggaagt	ccacggcctg	gagnggnggc	240
ctacatgggg	gcccaggggt	ctgananacc	agtccatgtc	ctgggcgagt	cctcagcctg	300
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<210> 5821

<211> 557

<212> DNA

<213> Homo sapiens

# <400> 5821

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catgctcaga	tttatacatt	ataaaatgat	ttaattccct	aaagtacaaa	aaagaatggc	120
tgaatctcca	aagagttgat	aaagactgaa	gatgtttata	aggcatgctt	atgtatacta	180
tttcaagcca	tctacaggac	ttgagacagg	aatgtttagt	gtttgcaaag	ccacagtcac	240
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ttcagtacat	atactaaagc	ttcattggag	tagccacgct	taggaagtac	caagtaaatg	420
acaacataag	gccaaatgca	ggcagcaggt	atttttcaat	aatgaattac	aggggcttca	480
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<210> 5822

<211> 557
<212> DNA
<213> Homo sapiens

<400> 5822

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⟨210⟩ 5823

<211> 536

<212> DNA

<213> Homo sapiens

#### <400> 5823

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<212> DNA		•				
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aacagaatat	ctgagactcg	gtaatttatg	aagaaaataa	acgtatttct	tatagttctg	240
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caggtcagag	ggcagaagag	caagagacgg	tgcacactcc	tttataacta	acccactccc	360
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accentttca	accncattan	ngggncg				507
<210> 5825		•				
<211> 529						
<212> DNA	٠.					
<213> Homo	sapiens					
	•					
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acagatgtgt	gccaccacgc	ccagctaatt	tttgtagttt	tagtagagac	ggggtttcgc	180

catgttggct aggatggtct caatcttttg acctcgtgat ccacccgcct cggcctccca

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ccatgtttgg	agatttgcta	gaaggactca	tgggatcagc	ttagggttgt	aatgggctaa	420
gatttattac	tgnaacatag	natggatata	tagnagaaag	atctcaatgg	caaaagacac	480
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<210> 5826

<211> 530

<212> DNA

<213> Homo sapiens

<400> 5826

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tcactgatgt	atccaaagtg	cctagaaagg	tgcctgatac	atagcaggcc	tcagtacgtc	180
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tcacaaaaat	ctcccaagaa	aagagccttt	attatgacta	tcttatgaaa	aaagacactg	360
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gcctcagact	agttctgctc	aatgggaaca	tgaccagatc	ctgctggaag	aaccnagggt	480
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<210> 5827

<211> 524

<212> DNA

<213> Homo sapiens

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tttgcaagga	aagcaagaaa	aagttaaaat	gnctaaacca	aagcctgact	gggttcaaaa	480
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<210> 5828

⟨211⟩ 512

<212> DNA

<213> Homo sapiens

# <400> 5828

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<210> 5829

<211> 531

<212> DNA

<213> Homo sapiens

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<210> 5830

<211> 529

<212> DNA

<213> Homo sapiens

#### <400> 5830

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<210> 5831

<211> 501
<212> DNA
<213> Homo sapiens

#### <400> 5831

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<210> 5832

<211> 516

<212> DNA

<213> Homo sapiens

# <400> 5832 ·

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<210> 5835

⟨211⟩ 531

<212> DNA

<213> Homo sapiens

<400> 5835

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⟨211⟩ 552

<212> DNA

<213> Homo sapiens

<400> 5836

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⟨211⟩ 525

<212> DNA

<213> Homo sapiens

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<213> Homo sapiens

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<212> DNA

<213≻ Homo sapiens

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<211> 542

<212> DNA

<213> Homo sapiens

### <400> 5842

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<210> 5843

<211> 476

<212> DNA

<213> Homo sapiens

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<211> 541

<212> DNA

<213≻ Homo sapiens

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<213> Homo sapiens

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<210> 5848

<211> 535

<212> DNA

<213> Homo sapiens

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<211> 545

<212> DNA

<213> Homo sapiens

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<210> 5855

<211> 548

<212> DNA

<213> Homo sapiens

#### <400> 5855

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<210> 5856

<211> 428

<212> DNA

<213> Homo sapiens

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⟨211⟩ 321

<212> DNA

<213≯ Homo sapiens

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<210> 5858

<211> 477

<212> DNA

<213≻ Homo sapiens

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<210> 5859

(211) 572

<212> DNA

<213> Homo sapiens

<400> 5859

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<210> 5860

<211> 535

<212> DNA

<213> Homo sapiens

#### <400> 5860

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<210> 5861

<211> 478

<212> DNA

<213> Homo sapiens

#### <400> 5861

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<210> 5862

<211> 561

<212> DNA

#### <213> Homo sapiens

## <400> 5862

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<210> 5863

<211> 568

<212> DNA

<213> Homo sapiens

## <400> 5863

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<213> Homo	sapiens					
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agtggtttaa	gtcagcatga	gcagtatcaa	aggacttatg	tagctaggtt	ctaaacttta	480
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<210> 5866

<211> 414

<212> DNA

<213≯ Homo sapiens

**<400>** 5866

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ctactggcat	gaacttctgc	ccaaggaggc	atttgctgca	gcaagagcac	agaaggcact	180
gtgtggatgc	atgccagctg	aaattgttat	aggtcacgcg	ctgcacttct	gggtcgatgg	240
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<210> 5867

<211> 572

<212> DNA

<213> Homo sapiens

<400> 5867

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<210> 5868

<211> 562

<212> DNA

<213> Homo sapiens

### **<400>** 5868

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<210> 5869

<211> 548

<212> DNA

# <213≻ Homo sapiens

## <400> 5869

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tcccaaagta	ttgagattac	aggtatgagc	cactacaccc	agccccaatg	ttatccttta	300
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<210> 5870

<211> 423

<212> DNA

<213> Homo sapiens

## <400> 5870

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aggtttgtta	cataggtaaa	gttatgtcat	gggggttttt	gtacaganta	tttcatcacc	360
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cct						423

<210> 5871

<211> 566						
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<213> Homo	sapiens				•	
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240

300

360

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cacttctgcc	aaaggaacca	tgttccaaca	ccggaaacaa	ggtgttctgc	ttaaacagaa	480
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⟨210⟩ 5873

<211> 483

<212> DNA

<213> Homo sapiens -

## **<400>** 5873

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tccatttaat	gtaatggtac	taaagccatc	cttacaagcc	aagcaaagca	caatgtgcta	420
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<210> 5874

<211> 584

<212> DNA

<213> Homo sapiens

## <400> 5874

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⟨210⟩ 5875

⟨211⟩ 668

<212> DNA

<213> Homo sapiens

### <400> 5875

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<210> 5876

<211> 646

<212> DNA

<213> Homo sapiens

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<210> 5877

<211> 644

<212> DNA

<213> Homo sapiens

# <400> 5877

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а	cctcagtga	agcgccctcc	ttgccttgag	gctgggcctg	ggacaaaggt	ggcctcacag	180
С	cagcccagg	cagggagatc	ggcagagagg	ggtggcccct	gaccccagct	cctctgcccc	240
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С	aaacagccc	cgtctacctg	gccctggtct	gccctcacac	cagtccaccc	ccagccccaa	360

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<210> 5878

⟨211⟩ 613

<212> DNA

<213> Homo sapiens

#### <400> 5878

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<210> 5879

<211> 596

<212> DNA

<213> Homo sapiens

## <400> 5879

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<210> 5880

<211> 653

<212> DNA

<213> Homo sapiens

#### <400> 5880

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6 1 2 7

⟨213⟩	Homo	sapiens
<212>	DNA	
<211>	645	
<210>	5881	

#### <400> 5881

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<210> 5882

<211> 540

<212> DNA

<213> Homo sapiens

#### <400> 5882

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<210> 5883

<211> 479

<212> DNA

<213> Homo sapiens

<400> 5883

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<210> 5884

<211> 429

<212> DNA

<213> Homo sapiens

<400> 5884

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ttggtgagct attctcaaat gtagcacatt ttaagatttt gccatcatta tgactgtga 180 atcattgttt ggttttcata ggaaacagat ctgtcacagt atgaagcttt gtttatttta 240 agaaactggt acacaattac atttccactt acaagagaac gccacagata taactaaagg 300 caggcttcga tggctccnca aaggttgcgt gcgggaccaa ccccacacct cctngnttcc 360 ccgtcgaacc gccntgncca ggttnacatg gtttcatttc cagagatgct ttgnttttcg 420 naagttagg

<210> 5885

<211> 632

<212> DNA

<213> Homo sapiens

<400> 5885

caaccaccaa agetgtaact tttatttgcc aatagatatt ttaataaaca ggettactcc 60 120 gtaatttgta ccttgtacaa aaatcttatt atgttgctca gcaggtagtt tgctaaacag 180 catattettt cagcaaatag atgacatatg ttatgcaatt caccacaaac aacccetcat 240 attgagaget gageatteta taacactatt aacttgtaag catgecagea catgaaaatt 300 tacatggaaa gttattaata ttatagtaga tttttgtaag ataaaaatag taccaccttc 360 aaataagtet ggactaette aetgetatag taaagtagat aataggtagg attgeagtte 420 aattgttaac acctttttac cttgtttata gctctaccat attgngatta taaccagaaa 480 agagaatgta ngctgtgtca ggaacctgag tggaaggcat atattgaagc tttaaatggt 540 gacagaatac taangagaaa accttaaaca gngctatact tcctatctca tagataaatc 600 ttttnccctt tgnaagacca atgggncaga gt 632

<210> 5886

<211> 494

<212> DNA

<213> Homo sapiens

## <400> 5886

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<210> 5887

<211> 448

<212> DNA

<213> Homo sapiens

## <400> 5887

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atgtatatag	ttacgtacac	acacaccaat	ggcactgatt	ttggtacaca	tcagaattac	120
ttaagagagt	ttgttaaaaa	tggagattct	ggagccccac	tctgtgagtc	tggacgatag	180
gtcctacatt	tttaaatgcc	cctgcctgcc	cccaaggtgt	ttttatacag	atggtagact	240
cactctgaaa	aacactagaa	catacattct	taaaatatca	aacattgaat	tctgggtatg	300
atcattcttt	tttggtcagg	gacaagaaaa	aaactgtcaa	agacaactga	gattttgagt	360
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ggagaagnnn	ggataccnan	nggttttt	•		,	448

<210> 5888

<211> 540

<212> DNA

<213> Homo sapiens

#### <400> 5888

aggataatta aaactacttt gaatttttta tttatcaatc tggtttctaa tataatttta 60 gttaaatgaa agacattcac aaagaatatt aggcatacgt acataatttc cttctttcat 120 tctagtttac atgctgttgc ttttagagag tgaaattttg tgttatttca caggggatgg 180 aatcctgttt gactttacag aaagaatatt tagcccagct tttcacagca ctaacctctg 240 300 cagtcaccac gctcactgaa aaaatttaaa aaacctgaca aaataaaact tagtaaaatc tagaaacttg aattcaattt aataattgct gccctttttt tgggaaaatt gctcaacagg 360 gtggtgaaaa gaaaaaatgg ggggtttcaa attcagtgtt gnttggaggc atgagacata 420 480 aacggccatt aaaacgttta ctgcgtaaga acnaggtata atggggngag gaaaaggaga aagaaaaaag gtngattgaa aagaacngat ttcntccttg aanggaagna aagctttttg 540

<210> 5889

<211> 570

<212> DNA

<213> Homo sapiens

## <400> 5889

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⟨211⟩ 485		· .		•		
<212> DNA						
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tcatgttgcc	cagtctggtt	tccaactact	gagctcaagc	catacgcctc	cctcagcctc	240
ctaaagtgct	ggggttacag	gtgtgagcca	ccacacccag	ctcattttaa	tctgtttaag	300

gattaaaata ctcccaactt caggtatgtt ataaatgaag aagtccattt ttcttctatc 360 ccacataact ccctcaaaaa aaggaaagta aaatgaggaa aaagatataa gtanaaaaga 420 aaaatgggct ttaaggggaa tacataggga gccatttata tagctctggt tgacaataag 480 gtggggagaa atncctagaa gctaattnta ggggaaaaga tgnaaatggg ggnnatggcc 540 actggnntgg gttggctctg ggttccacca aa 572

<210> 5892

⟨211⟩ 579

<212> DNA

<213> Homo sapiens

<400> 5892

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<210> 5893

<211> 595

<212> DNA

<213> Homo sapiens

<400> 5893

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<210> 5894

<211> 542

<212> DNA

<213> Homo sapiens

## <400> 5894

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<210> 5895

<211> 481
<212> DNA
<213> Homo sapiens

## <400> 5895

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<211> 468

<212> DNA

<213> Homo sapiens

#### <400> 5896

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240

300

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acacaggtga	agcagaacac	caaattgctt	ttggcaggaa	acaccactgg	agaagtcaag	480
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<210> 5899

<211> 557

<212> DNA

<213> Homo sapiens

## <400> 5899

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aacatatata	aatctatatc	atatatttat	acacacaaac	acattctacc	agcactgtga	180
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gatatcatag	aagaaaagaa	ataggatgtg	ctaggttaag	cctgagatgg	tatctgggaa	420
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<210> 5900

<211> 545

<212> DNA

<213> Homo sapiens €

<400> 5900

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<210> 5901

<211> 167

<212> DNA

<213> Homo sapiens

## <400> 5901

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167		nnnnnn	gaagggacgg	tgggggtggg	ggggatggga	ggctgggggt

**<210>** 5902

<211> 530

<212> DNA

<213≻ Homo sapiens

## <400> 5902

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tgggactaca ggcgcccgcc actgcgcccg gctaattttt ttgtatttcc agtagagacg 180 gggtttcacc gtgttagcca agatggtctc gacctcctga cctcgtgatc tgcccgcctc 240 ggcctcccaa tgtgctggga ttacaggcat gagccacccc acccagaaat ctctttatgt 300 ttaagaagag gaaagtgaag aacggaaagg gaagaaactg cccatcctca tgggtaactg 360 agaggaggga tggggagaa gacttccctc tttcacttcc tattttttc tagctcccag 420 ctnttcccac tggcctcatc tggttcattt ggttcaaggt ctaatgatgc attttgctgg 480 gncttttcca attcttaatc ntgtaaggnn ggaggnaaaa gngtgagtnc 530

<210> 5903

<211> 551

<212> DNA

<213> Homo sapiens

## <400> 5903

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<210> 5904

<211> 564

<212> DNA

<213> Homo sapiens

#### <400> 5904

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<211> 561

<212> DNA

<213> Homo sapiens

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240

300

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⟨211⟩ 551

<212> DNA

<213> Homo sapiens

<400> 5908

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<210> 5909

<211> 567

<212> DNA

<213> Homo sapiens

<400> 5909

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<210> 5910

<211> 568

<212> DNA

<213> Homo sapiens

#### <400> 5910

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#### <400> 5911

<210> 5912

<211> 570

<212> DNA

<213> Homo sapiens

#### <400> 5912

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⟨210⟩ 5915

<211> 582

<212> DNA

<213> Homo sapiens

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<211> 569

<212> DNA

<213> Homo sapiens

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<210> 5917

⟨211⟩ 569

<212> DNA

<213> Homo sapiens

#### <400> 5917

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<210> 5918

<211> 561
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<213> Homo sapiens

#### <400> 5918

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<211> 557

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<213> Homo sápiens

#### <400> 5927

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<210> 5928

<211> 563

<212> DNA

<213> Homo sapiens

<400> 5928 .

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<210> 5929

<211> 563

<212> DNA

<213> Homo sapiens

#### <400> 5929

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<210> 5930

<211> 561
<212> DNA
<213> Homo sapiens

#### <400> 5930

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<210> 5931

<211> 558

<212> DNA

<213> Homo sapiens

#### <400> 5931

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tttgtettee tetatgacat acaatgttte teetteaaet aeggaaateg tteeeteatt 180
etgaeettea aatgtgtaga gagetttgea egteeetatg geagggaggg geteeteate 240
ateaaaeteg tegteaaaat eegtggeeag eacetteate teaeteteet gaetetgete 300
etetgtgtaa etgeeatetg ggeteteaeg gteetgggeg eagttgttga etgtgggtgg 360
gttetggetg tegtaeagte egetetgeeg gegegeetge tegetgetg etgggageee 420

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<212> DNA						
<213> Homo	sapiens					
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aactccgaag ttctaagtcc catggaaagt ggcagtggtt gggctggact gtggctggag 180 gatcaccggg cctcggttct caagcaccat ctgtctggct gcagctgggc ccttcagctg 240 ggggccagtg ttgctttcca gctgccccca ccgggtcaga tcatctctgg caaggaagag 300 ctgctggcat ctcttactgt ccttctcgca ggccttcctc caccttgggt gcctcctgac-360 gcctgcccg gaagtcttca tcacacgcgt ggccctccac atcatccagg aggttggctg 420 ttgacgccgg cagcccccaa cgactgatgc ttcaacaagg ggtttcctct ttgactcctc 480 atttgggctt ctttgaaaag gttcggccaa gttnaacagn ttcctccggt ggactttcca 540 559 aggggtttca anttgccct

<210> 5934

<211> 560

<212> DNA

<213> Homo sapiens

#### <400> 5934

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<210> 5935

⟨211⟩ 562

<212> DNA

#### <213> Homo sapiens

#### <400> 5935

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<210> 5936

<211> 557

<212> DNA

<213> Homo sapiens

#### <400> 5936

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a	aaatgttat	caaaccaaaa	tatctcagaa	ggacaagaaa	gggactatgg	acactatgtc	240
c	acaggcaac	acactatggg	ccattctctg	aggatgacag	acactcaaaa	ggtcaaatat	300
а	ccaatgcta	ttccaaatta	tttcttggta	agataaaaag	atctttaaat	gtatttaata	360
c	ttgtagaaa	atcacaataa	aacaagttgc	aatatgattt	tttttaaaaa	aacacaaaac	420
a	ttgaaatct	aatttagtat	ttagaacctg	acattcccc	agatgaaaat	ttatatttgg	480
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С	attctgtcc	taaaagcatg	tacaaaaagc	tctcctgcaa	ctattgatca	tcacctcgtt	180

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<210> 5939

<211> 545

<212> DNA

<213≻ Homo sapiens

# <400> 5939

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<210> 5940

<211> 576

<212> DNA

<213> Homo sapiens

#### <400> 5940

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<212> DNA

<213> Homo sapiens

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gagaggaaca	ttaaatgcca	aaggtaggtg	gcagtatttc	agtctctgcc	cnagccgaca	360
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<210> 5942

<211> 554

<212> DNA

#### <213> Homo sapiens

#### <400> 5942

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<210> 5943

<211> 567

<212> DNA

<213> Homo sapiens

#### <400> 5943

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<210> 5946

**<211>** 568

<212> DNA

<213≯ Homo sapiens

<400> 5946

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<210> 5947

<211> 557

<212> DNA

<213≻ Homo sapiens

#### <400> 5947

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<210> 5948

<211> 554

<212> DNA

<213> Homo sapiens

#### <400> 5948

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<210> 5949

<211> 551

<212> DNA

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<211> 556

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<210> 5952

<211> 551

<212> DNA

<213> Homo sapiens

<400> 5952

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<210> 5953

**<211>** 551

<212> DNA

<213> Homo sapiens

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<210> 5954

<211> 566

<212> DNA

# <213≻ Homo sapiens

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⟨210⟩ 5955

<211> 564

<212> DNA

<213≯ Homo sapiens

# <400> 5955

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<212> DNA

<213> Homo sapiens

<400> 5958

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<210> 5959

<211> 546

<212> DNA

<213> Homo sapiens

#### <400> 5959

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<210> 5960

⟨211⟩ 553

<212> DNA

<213> Homo sapiens

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⟨210⟩ 5963

<211> 576

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<213≻ Homo sapiens

### <400> 5963

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<211> 557

<212> DNA

<213> Homo sapiens

<400> 5964

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<210> 5965

<211> 576

<212> DNA

<213> Homo sapiens

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<210> 5966

<211> 574

<212> DNA

<213> Homo sapiens

### <400> 5966

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<210> 5967

⟨211⟩ 573

<212> DNA

<213> Homo sapiens

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<210> 5968

⟨211⟩ 574

<212> DNA

<213> Homo sapiens

#### <400> 5968

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<210> 5969

<211> 419

<212> DNA

<213> Homo sapiens

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<210> 5970

<211> 457

<212> DNA

<213> Homo sapiens

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<210> 5971

<211> 424

<212> DNA

<213> Homo sapiens

<400> 5971

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<210> 5972

<211> 574

<212> DNA

<213> Homo sapiens

### <400> 5972

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<210> 5973

<211> 570

<212> DNA

<213> Homo sapiens

#### <400> 5973 ⋅

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<210> 5974

<211> 576

<212> DNA

<213> Homo sapiens

### <400> 5974

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⟨210⟩ 5975

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360

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<210> 5977

<211> 552

<212> DNA

<213> Homo sapiens

## <400> 5977

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tgcaaacagt	acacttagag	tcatccttag	ccagctgttc	tccaaacaaa	agatcgagaa	360
acaaaaccaa	gaaccaatgt	aaaaaagaaa	aggtttatct	agaaaactgg	aagctcatca	420
aagtccattc	ttcttctgat	tctggtctcg	gtcagcattt	ttagaagtcc	acttttgagg	480
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<210> 5978

<211> 562

<212> DNA

<213≯ Homo sapiens

<400> 5978

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<210> 5979

<211> 472

<212> DNA

<213> Homo sapiens

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<212> DNA

<213> Homo sapiens

### <400> 5980

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<210> 5981

<211> 517

<212> DNA

<213> Homo sapiens

### <400> 5981

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agtctggagt.	ggggaatggg	gtagtttgga	accacatgac	tgagtttgag	gggtgcccct	180
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tgtgtgtgca	tacatgcaca	ctcacacaca	cataccacac	aaagacaagc	ttgtgcacac	420
accatacgca	taacttggct	tttananata	ggtcanangg	tangggaagt	gaanggactg	480
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<210> 5982

<211> 569

<212> DNA

<213> Homo sapiens

## <400> 5982

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⟨210⟩ 5983

⟨211⟩ 566

<212> DNA

<213> Homo sapiens

#### <400> 5983

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naagatggat	ccaattgggg	gtctctaact	tactgaaccc	gggnttgggn	cngccttact	540
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	•					
<210> 5984		•		•		
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		•				
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tccaagagag atgcacttgc ctaagaccat cagctgtaga gctgggctaa tcccagtgca 180

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<210> 5986

⟨211⟩ 471

<212> DNA

<213> Homo sapiens

<400> 5986

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<210> 5987

<211> 576

<212> DNA

<213> Homo sapiens

<400> 5987

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ttgtaagaat tcaagccaaa aaaagttcat ccatgggaaa aacggttctt ctatcatcca 180 gcacgtattt gtgccaacag agctgaggga cttgagtaat tcaagaggct aggggttggg 240 gggcagatgt gtccagtggc tcccacagcc ccgccgtcct gaaagtcacg ccagttaatg 300 tgcctcgggg tggatcagcc ctcccgacag atgactacta ggaaattaat ccccagttaa 360 taatgtgctt tggaccaagt aagtcaagat tatttttcct acaattatac aaagatatgc 420 ttttccagaa gggaacttct ggaaaaagaa caaataacac tatgcttaaa atattattca 480 catattagag aagaaaggaa ccttaaaatn gcngaagaac ctggattncn tggatcccgg 540 576 ggccaaccct tggacatggc tttgtgtgan aacaaa

<210> 5988

⟨211⟩ 582

<212> DNA

<213> Homo sapiens

#### <400> 5988

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<210> 5989

<211> 572

<212> DNA

## <213> Homo sapiens

## <400> 5989

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<210> 5990

<211> 547

<212> DNA

<213> Homo sapiens

## <400> 5990

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<211> 604						
<212> DNA						
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<210> 5993

<211> 594

<212> DNA

<213> Homo sapiens

## <400> 5993

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<210> 5994

<211> 589-

<212> DNA

<213> Homo sapiens

### <400> 5994

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<210> 5995

<211> 342

<212> DNA

<213> Homo sapiens

#### <400> 5995

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tgcaccacca cacctggctt atttttgtat ttttagtana aacagggtnt cactatgtta 180
gccaggctgg tcttaaactc ctgacctcaa atgatatgcc tgccttggac tcccaaagtg 240
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<210> 5996

<211> 577

<212> DNA

#### <213> Homo sapiens

## <400> 5996

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<210> 5997

<211> 599

<212> DNA

<213> Homo sapiens

### <400> 5997

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<210> 5998

<211> 543

<212> DNA

<213> Homo sapiens

#### <400> 5998

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<210> 5999

⟨211⟩ 279

<212> DNA

<213> Homo sapiens

#### <400> 5999

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tacagcttgc	tatgcatttt	tttttttggg	ggnnnnnnn			279
<210> 6000						
<211> 548						
<212> DNA						
<213> Homo	sapiens					
			•			
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ttacaggcat	gcaccaccat	gcccagattt	ttctgcatta	ttattattat	tattatttgt	180
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ggccacaaac	atttatttac	tattttgagt	atatgtttaa	agcatccaag	cacattttat	360
ccaattttaa	agatatatta	tccatgcttt	aaaacttttg	gaaaatattt	taactcagag	420
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<211> 536		•				
<212> DNA						
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gcagcccaag teetgtaggt gettgeegte tetgaageee caggaacate agtgcaagaa 300 ggaagagact getggcaaag atgacteea aggetgttet eegetetggt gggacaacet 360 gggtgetgge eecaaggge teetecagag agatgtgtg gacetgeagg tgtaagtgge 420 acetgcagag eeaggttetg egtgaaagaa gangagatet gaagtgeetg eeacetttge 480 etgagetgga aaagageeea aaacttgget ggggateeae eacttetttt ggteen 536

<210> 6002

<211> 552

<212> DNA

<213> Homo sapiens

#### <400> 6002

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<210> 6003

<211> 554

<212> DNA

<213> Homo sapiens

<400> 6003

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<210> 6004

<211> 546

<212> DNA

<213> Homo sapiens

#### <400> 6004

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<210> 6005

<211> 544
<212> DNA
<213> Homo sapiens

### <400> 6005

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<210> 6006

<211> 545

<212> DNA

<213> Homo sapiens

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<210> 6007

<211> 537

<212> DNA

<213> Homo sapiens

## <400> 6007

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at 120	tgnggtatat	ataaacagtc	aggcaaatgg	átccatctac	caacccaaat	aaactagaaa
aa 180	atgcaaaaaa	ctattgaaac	aaggcataaa	gagcaataaa	gaatactgtt	acatacaatg
at 240	aagagtacat	agaccaaaaa	gaaagaatcc	tatgttgatg	tcaagataat	tggataaatc
<b>aa</b> 300	agagacagaa	actaatctac	gaaaatgcaa	taaaattcta	tccatttata	attatatggc
ca 360	agggattgca	ggcacaagag	tgtaggtagg	gaacggagaa	cagttcctta	agaagatcag
cg 420	tggtttctcg	atagtggtga	tattatcttg	gatggatgtt	tccaaggggt	acgtgatttc
at 480	tttactggat	aagtgngtag	tggatacatt	cttataatat	tncataaaaa	agtacacatg
537	aagctgt	aacaaatcag	tggaaaatna	gtnttaaaaa	atcaacaaag	gtaaattccc

<210> 6008

<211> 546

<212> DNA

<213> Homo sapiens

## <400> 6008

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ccctccgctt ccttcgagcc agagcctctg tttcatttgg ctcttttgcc cttgcctcat 240 gtgactcagt ggctgctgtg gtctgaatgt ttgtcttccc tccaaaattc ctatgttgaa 300 atccttacct tcaaggtgtt ggtattagga ggtggggctt tggggaggta attaggtcat 360 gaggatggaa ccatcaggaa tgggattagt gccctctaag gcactaagaa aaggctggtg 420 ggctagactc agtgactcat gcctgtaagc ccaacacttt gggangcttn agtggaagga 480 tcatttgang ctnggagttt gagaccnanc tggacacctt aaaaggaccc taatntttc 540 caaaaa

<210> 6009

<211> 500

<212> DNA

<213> Homo sapiens

<400> 6009

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<210> 6010

<211> 312

<212> DNA

<213> Homo sapiens

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180

aaaaacaaaa acacccctaa accccccaaa acaaggnagn gcatttcccc agggggaagg

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ggaatttaca ctggagccgn tgggagcgga acgganatnt tccggntaca gaaacctgca

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312

<210> 6011

⟨211⟩ 531

<212> DNA

<213> Homo sapiens

<400> 6011

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120

180

240

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300

ctcagtctcc caaagngttg ggattacagg tgtgagccaa catgcctggc ctgtttctgt

360

ctttactgnc cacatagcca taccttcatc atcatataca gaaagnggca aatcataatt

420

aacgggagag taataagtat tttggggaaa aacagggaat agagaacctg gaacattatc

480

tcttcttana ncttntagna tccctaacat tancttcctg nttggtggtn a

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531

<210> 6012

<211> 555

<212> DNA

<213> Homo sapiens

#### <400> 6012

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<210> 6013

<211> 555

<212> DNA

<213> Homo sapiens

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360

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ccaaagtgct gggattacag gtgtgagcca ccacgcctgg cccctgattt taagcaatac 300

ccagcttact tggattttgg ggtgaagtca gtgctgagtc tcccaactct gttggcactc

caggggtggg acagacactg tccctgggtg cagaggccct ggaggcagca ctgccctttc 420 ccccaaaggc caggctctga ccttgagagt ggtgggagtg ggtgatcctt ctggganggt 480 ggacttccaa gaacgntggc tgttngggaa ccttgantgg gaanaccann 530

⟨210⟩ 6016

<211> 560

<212> DNA

<213> Homo sapiens

#### <400> 6016

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<210> 6017

<211> 557

<212> DNA

<213> Homo sapiens

### <400> 6017

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caataatgca taagaattgt taatgagtaa ataaaagctg attatactat atttattttt 180
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acagttatct tctgaagatt cagatgcttt aacttttggg ggaaaagtat taccccatat 300
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<210> 6018

(211) 541

<212> DNA

<213> Homo sapiens

#### <400> 6018

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<210> 6019

<211> 530

<212> DNA

# <213≻ Homo sapiens

## <400> 6019

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180	aaaggtgtag	ggtgtcaata	atgataactt	tagttctggg	cttgcttcat	agcatctgga
240	tattacacag	ttaatgttcc	tctttaaaaa	gatctgtggg	tgtggctatt	agtggaagag
300	tgatgagaaa	agctaaggga	gaaaaggaag	caaaaggagg	tgagtgagga	ggtctggggt
360	ctttgcaatc	tccagacctt	tttcaggcaa	ttaatttgtt	cttcttagaa	ctcatattag
420	caaaacccag	acaaactccc	ccttaaaaat	gtatttaatt	taactcatga	atgagtattt
480	tttggtaagc	gcatgcccat	cttggggaca	tgagcattta	aacctaggga	gtcagctcta
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<210> 6020

<211> 507

<212> DNA

<213> Homo sapiens

## <400> 6020

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tggaagggct	gtgggaatga	agactggctt	gacagtggta	ctggagctga	aggctgttgc	180
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agtgtacctg	ttgttccagg	aggcagtgca	taagctgaag	atgatggtgg	agctcctggt	420
cccgccatgc	tggaaggatg	ctncagagga	aagggggang	aaggaaagaa	ntancagget	480
ggangtangt	gaaaangcct	ggtgctg				507

<210> 6021
<211> 546
<212> DNA
<213> Homo sapiens

#### <400> 6021

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<210> 6022

<211> 548

<212> DNA

<213> Homo sapiens

## <400> 6022

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tagaatccaa	acaggtgaaa	aatcgtcact	ccttagaata	caacaatgat	ctgataagga	480
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<210> 6023

<211> 543

<212> DNA

<213> Homo sapiens

## <400> 6023

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atcctgaagt	ttgccattgt	tagatatttc	tttagctgac	catagtgagt	cttccttgag	180
ttcacgtttc	ttcccaattt	cattttcttg	agatattttg	ctactttctg	gtactgcttc	240
atcactgaaa	gtgtcatttg	tttctatatc	catccttggc	ctttttctaa	cattgacatc	300
ttcctcctgt	ttttgaactt	tcacatcaat	ttctaactct	ggttttgtgt	ccttgaataa	360
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atctggaaat	aagttattgg	ctgagtttgg	gtcccaggct	cattctcaga	tagaagctgc	540
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<210> 6024

<211> 599

<212> DNA

<213> Homo sapiens

## <400> 6024

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tacacaagaa agtatgaaca taaatgtttg gataataata aagattcgca aggcacttaa 120 tcagtcattc tgggttgttt tgtgttcgct ttccacagca atcctacatc cacgccctc 180 ctttctcacg aaagcaagag aagagtgagg tctcttttgc tagcagttct tatgtacaaa 240 caaggtcttt aaggttcctc aaagtgcttt ttcagtctca cagggcttgg acacccctcg 300 ggcttcccat ccttttctcc ttccacggtg tttgacgttt gcacctttcc tacagaaaac 360 aaaagaaaac tcgccttccg ctcaacgccc gctccagact tgccaccaac cttcatcctc 420 atteattgte tttgatgeec cageacagag ggeetagggg egtgeaacat etetgaagte 480 ctggggagcg gggggaccac taggacaaag ggtctggctc atctaccggc gcctggaggt 540 gaaggtcgaa gcaggtgatc atcatgaaaa tgggccttgc anaagttgac cccgnttnt 599

<210> 6025

<211> 585

<212> DNA

<213> Homo sapiens

## <400> 6025

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<210> 6026

<211> 534

<212> DNA

## <213≻ Homo sapiens

## <400> 6026

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ttacaggcat	gcgccaccac	acctggctaa	ttttgtattt	ttagtagaga	cggggtttct	180
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ccaaagtgct	gggattatag	gtgtgagcca	ccatgccctg	cctaatcttg	gattttttt	300
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ctcagctcac	tgcaagctcc	gcctcccagg	ttcacaccat	tctcctgcct	cagcctcccg	420
agtagctggg	actacaggca	cccgncacca	cgcccggnta	antttttgga	tttttaagtg	480
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<210> 6027

<211> 555

<212> DNA

<213> Homo sapiens

## <400> 6027

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ctga ttgaggatcg aattgcacat ttctcttaac catgacag	ga 180
acag aatcatgggt gatctttctc actttccctc ttgttttc	at 240
ttct aattaacatg aaagggctct gcatatagag agattgtc	tc 300
accg aaaaccatca gggttgaaat ttcatttgag tctttcct	ga 360
cccc tcggattatt ttacaccttg agggcatttt ggncttca	gt 420
ggtc ccaaatgggg cgctatttaa gggaatttaa agagaaag	ct 480
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Z010\ C020						
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tcttttggag ccaggcgttg caggcctcc tgggagctac aggcagcctc gagtacttca 300 gctcagtagt tagccagccc atctccatgc caaacccact gacgtagccc aacaagccgc 360 tgcggtanag ggtctcatta tcgggcagac agaccgggag gacgttgggg cccagggga 420 tgctgngctg cagctccagg agggcgatgt ccccgctaaa gttatgggac tcattctgac 480 ggtanncggg gtgcacaacg acccggngga caggggggt ccccagttnc nnatnt 536

<210> 6030

<211> 562

<212> DNA

<213> Homo sapiens

<400> 6030

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<210> 6031

<211> 563

<212> DNA

<213> Homo sapiens

<400> 6031

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<210> 6032

<211> 503

<212> DNA

<213> Homo sapiens

#### <400> 6032

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<210> 6033

<211> 569

<212> DNA

## <213> Homo sapiens

## <400> 6033

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<210> 6034

<211> 582

<212> DNA

<213> Homo sapiens

## <400> 6034

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<210> 6037

⟨211⟩ 586

<212> DNA

<213> Homo sapiens

### <400> 6037

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<210> 6038

⟨211⟩ 575

<212> DNA

<213> Homo sapiens

### <400> 6038

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<210> 6039

<211> 577

<212> DNA

<213> Homo sapiens

### <400> 6039

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<210> 6041

<211> 592

<212> DNA

<213> Homo sapiens

<400> 6041

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<210> 6042

<211> 591

<212> DNA

<213> Homo sapiens

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<210> 6043

<211> 606

<212> DNA

<213> Homo sapiens

### <400> 6043

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<210> 6044

<211> 582

<212> DNA

₹213> Homo sapiens

### <400> 6044

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<210> 6046

<211> 454

<212> DNA

<213> Homo sapiens

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<210> 6047

<211> 584

<212> DNA

<213> Homo sapiens

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<210> 6048

₹211> 587

<212> DNA

<213> Homo sapiens

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<210> 6049

<211> 590

<212> DNA

<213> Homo sapiens

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<210> 6050.

**<211>** 551

<212> DNA

### <213> Homo sapiens

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<210> 6051

<211> 587

<212> DNA

<213> Homo sapiens

### <400> 6051

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<211> 588

<212> DNA

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<211> 595

<212> DNA

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⟨211⟩ 581

<212> DNA

<213> Homo sapiens

### **<400> 6056**

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<213> Homo sapiens

### <400> 6057

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<210> 6058

<211> 533

<212> DNA

<213> Homo sapiens

### <400> 6058

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<213> Homo sapiens

#### <400> 6061

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<210> 6062

⟨211⟩ 586

<212> DNA

<213> Homo sapiens

<400> 6062

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<210> 6063

<211> 579

<212> DNA

<213> Homo sapiens

### <400> 6063

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<210> 6064

<211> 580 <212> DNA <213> Homo sapiens

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<210> 6065

<211> 599

<212> DNA

<213> Homo sapiens

### <400> 6065

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<210> 6066

<211> 581

<212> DNA

<213> Homo sapiens

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<211> 581

<212> DNA

<213> Homo sapiens

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<210> 6068

<211> 348

<212> DNA

<213> Homo sapiens

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ctcgtgtgcc	gggagccacc	acagntnaag	gngaccggca	gcacccanct	ntgtgaccaa	300
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<210> 6069

<211> 579

<212> DNA

<213> Homo sapiens

### <400> 6069

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<210> 6070

<211> 561

<212> DNA

<213> Homo sapiens

### <400> 6070

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<210> 6071

<211> 586

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<212> DNA

## <213≻ Homo sapiens

### <400> 6071

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<210> 6072

<211> 560

<212> DNA

<213≻ Homo sapiens

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<211> 518

<212> DNA

<213> Homo sapiens

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<210> 6076

<211> 564

<212> DNA

<213> Homo sapiens

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<211> 565

<212> DNA

<213> Homo sapiens

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<210> 6079

<211> 472

<212> DNA

<213> Homo sapiens

### <400> 6079

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⟨211⟩ 556

<212> DNA

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<400> 6083

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<210> 6084

<211> 551

<212> DNA

<213> Homo sapiens

### <400> 6084

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<210> 6085

<211> 528

<212> DNA

<213> Homo sapiens

#### <400> 6085

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<210> 6086

<211> 561

<212> DNA

<213> Homo sapiens

### <400> 6086

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<211>	520		
<210>	6087		

### <400> 6087

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<210> 6088

**<211>** 526

<212> DNA

<213> Homo sapiens

#### <400> 6088

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ggacaccatt ttcaagagca atttcacagc atctaactga aacgaaactg atgatccaac 420

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(213> Homo	sapiens					
<400> 6089		,	·			
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<210> 6091

<211> 588

<212> DNA

<213> Homo sapiens

### <400> 6091

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<210> 6092

<211> 583

<212> DNA

<213> Homo sapiens

# <400> 6092

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180	tcactgcacg	tcaaaataaa	attacaaagt	agggactcca	ggggcacttc	ataatttggg
240	agaaatcatt	tttagataac	aaggactaat	aaaaagaaaa	cctccccaa	tccctcccc
300	ataaggaacc	ccaccaggtt	ggagtaatag	agggggcaag	ctggattatg	ctacaaagaa
360	tccagtaaca	agatgcaagc	aggaggccca	tcactgactt	acagaaaagt	ctaaaacatc
420	gtgggggtgt	gttgtcttca	catagacgct	cttctgaaag	gctcaaatgc	acataaagct
480	gctggttctc	tttctttccc	tctgatggcc	caagtctggc	ggcggttatt	tngggggttn
540	tctggatagn	catgagtcta	aggcttcatc	tcttgaggaa	cangctgngc	cactagggtt
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<210> 6093

**<211>** 561

<212> DNA

<213> Homo sapiens

# <400> 6093

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<213≻ Homo	sapiens					
<400> 6094					·	
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<210> 6095						
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<212> DNA

<210> 6094

<213> Homo sapiens

### <400> 6095

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<210> 6096

⟨211⟩ 581

<212> DNA

<213> Homo sapiens

<400> 6096

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<210> 6097

<211> 591

<212> DNA

<213> Homo sapiens

<400> 6097

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<210> 6098

⟨211⟩ 587

<212> DNA

<213> Homo sapiens

### <400> 6098

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<210> 6099

<211> 587
<212> DNA
<213> Homo sapiens

#### <400> 6099

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<210> 6100

<211> 580

<212> DNA

<213> Homo sapiens

#### <400> 6100

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<210> 6101

<211> 576

<212> DNA

<213> Homo sapiens

#### <400> 6101

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<210> 6102

<211> 577

<212> DNA

<213> Homo sapiens

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<210> 6103

**<211>** 562

<212> DNA

<213> Homo sapiens

#### <400> 6103

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<210> 6104

<211> 582

<212> DNA

#### <213> Homo sapiens

#### <400> 6104

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<210> 6105

⟨211⟩ 573

<212> DNA

<213> Homo sapiens

# **<400>** 6105

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⟨211⟩ 578

<212> DNA

<213> Homo sapiens

#### <400> 6108

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<210> 6109

<211> 581

<212> DNA

<213> Homo sapiens

#### <400> 6109

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<210> 6110

<211> 578

<212> DNA

<213> Homo sapiens

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#### <400> 6111

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<210> 6112

<211> 562

<212> DNA

<213> Homo sapiens

#### <400> 6112

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<210> 6113

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<212> DNA

<213> Homo sapiens

# <400> 6113

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t	taaagaagt	taatcaatgc	ctatatggtc	caaggtataa	tttgcacaca	gtagtttttg	300
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<210> 6114

⟨211⟩ 573

<212> DNA

<213> Homo sapiens

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<210> 6115

<211> 560

<212> DNA

<213> Homo sapiens

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<210> 6116

<211> 570

<212> DNA

<213> Homo sapiens

#### ⟨400⟩ 6116

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<210> 6117

<211> 560

<212> DNA

<213> Homo sapiens

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atttnaaatg ggttaatat 559

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<211> 476

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<213> Homo sapiens

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<210> 6121

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<213> Homo sapiens

**<400>** 6121

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<211> 487

<212> DNA

<213> Homo sapiens

#### **<400>** 6122

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<212> DNA

<213> Homo sapiens

### <400> 6123

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<210> 6124

<211> 560

<212> DNA

<213≯ Homo sapiens

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<213> Homo sapiens

#### <400> 6127 ...

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<210> 6128

<211> 572

<212> DNA

<213> Homo sapiens

#### <400> 6128

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<211> 549

<212> DNA

<213> Homo sapiens

#### <400> 6129

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<210>	6130	
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<b>&lt;213&gt;</b>	Homo	sapiens

# <400> 6130

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gggtcctcca	cggagaggac	aggcatcttc	ctttcccacc	aggaaggagt	gagcccggag	180
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tcggcatctc	gacccgttca	attacagcaa	cgaagaagcc	accgctaagc	gtggtcttgg	360
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<210> 6131

<211> 578

<212> DNA

<213> Homo sapiens

# **<400>** 6131

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aaatgcaaaa	taaaaaaagc	tgttgataca	tcacctcgaa	aaattaacac	aactaaatta	180
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tttttaaact	aatagaattc	agatttatta	cttgaaataa	tggtataccc	agctgttctt	300
cataatggca	agcatattcc	atatacaata	caatttattt	agcatagttt	tatactctta	360

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<210> 6132

<211> 578

<212> DNA

<213> Homo sapiens

<400> 6132

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<210> 6133

**<211>** 576

<212> DNA

<213> Homo sapiens

<400> 6133

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acacaatgtg cacacacaca aaatgaacct tttaagtcaa taccatgcgt gctcctggcc 120 gcgcgccacc cctcagtgcc ctatccgcac caccatcaca gtgacgttgt cggctgagcc 180 ccgctgcacc gccttgttgg ccagcctgtt gcaggctgct tcgtagcggg cgtcggctgc 240 ggacttccct tcccgggtct ggatcttttc atcctcgaga caggacaaga tgaagttcac 300 ggcttcttct ggggtaaaga ccttgaagag cccatcacag gccaacaaaa tgaacctgtc 360 attgggggtc agctggcagc gtctgatgtc gggcacagag gtgacaccgc agcgcttgta 420 ctgcccgtcc ccaatggagc gtgacacctc tagcacgccc aaaacacgcc catccctgac 480 gtttccttca gcttctgnat cctcatncgn tcttcatact gagttngaat atgctctttg 540 ctgangctta angnttgatg gtttgacttt ctaata 576

<210> 6134

⟨211⟩ 572

<212> DNA

<213> Homo sapiens

#### <400> 6134

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<210> 6135

<211> 578

<212> DNA

<213> Homo sapiens

<400> 6135

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<210> 6136

<211> 566

<212> DNA

<213> Homo sapiens

<400> 6136

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	•					
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<210> 6139

<211> 572

<212> DNA

<213> Homo sapiens

#### <400> 6139

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<210> 6140

<211> 573

<212> DNA

<213> Homo sapiens

#### <400> 6140

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<212> DNA

<213> Homo sapiens

#### <400> 6141

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tgcaggttgg	catgcacaag	catgcctgga	tggcctcctg	agtgcttggg	anaacttggg	540
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#### <400> 6142

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<211> 570

<212> DNA

<213> Homo sapiens

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<211> 583

<212> DNA

<213> Homo sapiens

# <400> 6144

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caatattaat	aagccctggg	acatttnaat	gggactttat	atttcaaggg	aatgcaattt	540
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<210> 6145

⟨211⟩ 583

<212> DNA

<213> Homo sapiens

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<210> 6146

<211> 579

<212> DNA

<213> Homo sapiens

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<211> 581

<212> DNA

<213> Homo sapiens

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<210> 6148

(211) 573

<212> DNA

<213> Homo sapiens

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•	•					
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<212> DNA

<213> Homo sapiens

#### <400> 6151

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<211> 580

<212> DNA

<213> Homo sapiens

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<213> Homo sapiens

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<210> 6154
<211> 574
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<210> 6155

<211> 583

<212> DNA

<213> Homo sapiens

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<211> 508

<212> DNA

<213> Homo sapiens

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<210> 6157

<211> 588

<212> DNA

<213> Homo sapiens

<400> 6157

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<210> 6158

<211> 527

<212> DNA

<213> Homo sapiens

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<210> 6159

<211> 592

<212> DNA

### <213> Homo sapiens

#### <400> 6159

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<210> 6160

<211> 583

<212> DNA

<213> Homo sapiens

#### <400> 6160

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240

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⟨211⟩ 588

<212> DNA

<213> Homo sapiens

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<210> 6164

<211> 584

<212> DNA

<213> Homo sapiens

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<210> 6165

<211> 549

<212> DNA

<213> Homo sapiens

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<210> 6166
<211> 575
<212> DNA
<213> Homo sapiens

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<210> 6167

⟨211⟩ 573

<212> DNA

<213> Homo sapiens

## <400> 6167

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<210> 6168

<211> 584

<212> DNA

<213> Homo sapiens

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<210> 6169

<211> 569

<212> DNA

<213> Homo sapiens

<400> 6169

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<212> DNA

<213> Homo sapiens

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<212> DNA

<213> Homo sapiens

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<212> DNA

<213≻ Homo sapiens

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<211> 583

<212> DNA

<213> Homo sapiens

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<210> 6176

⟨211⟩ 583

<212> DNA

<213> Homo sapiens

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<210> 6177

<211> 591

<212> DNA

<213> Homo sapiens

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<210> 6180

<211> 576

<212> DNA

<213> Homo sapiens

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⟨210⟩ 6181

<211> 581

<212> DNA

<213> Homo sapiens

<400> 6181

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<210> 6182

<211> 586

<212> DNA

<213> Homo sapiens

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<210> 6183

<211> 566 <212> DNA <213> Homo sapiens

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<210> 6184

⟨211⟩ 571

<212> DNA

<213> Homo sapiens

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<210> 6185

<211> 568

<212> DNA

<213> Homo sapiens

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<210> 6186

⟨211⟩ 574

<212> DNA

<213> Homo sapiens

## <400> 6186

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<210> 6187

<211> 570

<212> DNA

<213> Homo sapiens

#### <400> 6187

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<212> DNA

# <213≻ Homo sapiens

# <400> 6188

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<211> 342

<212> DNA

<213≻ Homo sapiens

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<210> 6190

<211> 569

<212> DNA

<213> Homo sapiens

## <400> 6190

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⟨210⟩ 6191

<211> 570

<212> DNA

<213> Homo sapiens

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<213> Homo	sapiens					

## <400> 6193

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aaaaaaaaa	aaaaagggaa	angaangtta	cattattatt	gggaataaat	atctgcattt	480
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<210> 6194

<211> 502

<212> DNA

<213> Homo sapiens

## <400> 6194 ·

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<210> 6195

<211> 569

<212> DNA

<213> Homo sapiens

#### <400> 6195

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<210> 6196

<211> 577

<212> DNA

<213> Homo sapiens

#### <400> 6196

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<210> 6197

<211> 574

<212> DNA

<213> Homo sapiens

<400> 6197

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<210> 6198

<211> 574

<212> DNA

<213> Homo sapiens

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## <400> 6198

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180

240

300

360

420

480

540

574

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acaaaagatg	cagacagntt	catgtgtgca	cacagacagn	tactnctttt	tgcagcctac	540
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<210> 6199

<211> 542

<212> DNA

<213≯ Homo sapiens

# <400> 6199

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tttagtgtca aaa	tatagcg ttgaggg	gag ctggacgcta	gggtcttacc	ctaacgcaaa	480
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<210> 6200

<211> 567

<212> DNA

<213> Homo sapiens

<400> 6200 ·

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<210> 6201

<211> 571

<212> DNA

<213> Homo sapiens

#### <400> 6201

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<210> 6202

<211> 573 <sup>→</sup>

<212> DNA

<213> Homo sapiens

## <400> 6202

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aatgtatttc	ttattttagg	gtacaggatt	aaaggacaag	atgatactca	caagtaaaga	240
aaatttacaa	gaaaaaactt	aacaaaagtt	tcaataaaag	tattgtaaca	ttcaaacttg	300
acttataaca	aaagaaacaa	gattgcaaac	aaaaatgttt	acggggtttc	caaacataaa	360
taaatgaaat	agtgtttagg	cagtagggct	catgctgatg	gctagcagga	agttaacaga	420
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atttaatcat	cactggcatt	tttcttactt	nccaaataaa	gccttgatta	accattcatc	540
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<210> 6203

<211> 570

<212> DNA

<213> Homo sapiens

## <400> 6203

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aaaaaggtgg ggggtactat caattaaaga ataaaagatt gatcgggtta tttgaagaga 240
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<210> 6206

<211> 591

<212> DNA

<213> Homo sapiens

## <400> 6206

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<210> 6207

⟨211⟩ 581

<212> DNA

<213> Homo sapiens

#### <400> 6207

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<210> 6208

<211> 587

<212> DNA

<213> Homo sapiens

## **<400>** 6208

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# <400> 6210

<210> 6209

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<210> 6211

<211> 581

<212> DNA

<213> Homo sapiens

#### <400> 6211

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⟨211⟩ 581

<212> DNA

<213> Homo sapiens

**<400>** 6212

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<210> 6213

<211> 575

<212> DNA

<213> Homo sapiens

#### <400> 6213

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<210> 6214

<211> 567
<212> DNA
<213> Homo sapiens

#### **<400>** 6214

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<210> 6215

<211> 509

<212> DNA

<213> Homo sapiens

#### <400> 6215

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<210> 6218

<211> 582

<212> DNA

<213> Homo sapiens

#### **<400>** 6218

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<210> 6219

<211> 581

<212> DNA

<213> Homo sapiens

#### <400> 6219

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<210> 6220

⟨211⟩ 573

<212> DNA

<213> Homo sapiens

#### <400> 6220

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<210> 6222

<211> 581

<212> DNA

<213> Homo sapiens

## <400> 6222

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<210> 6223

<211> 504

<212> DNA

<213≯ Homo sapiens

### <400> 6223

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gatgggaaga	tgcctgtgcc	acacccttga	atgtggtcca	cagattcacc	agctccaagg	420
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<210> 6224

<211> 579

<212> DNA

<213≯ Homo sapiens

### <400> 6224

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<210> 6225

⟨211⟩ 583

<212> DNA

<213> Homo sapiens

#### <400> 6225

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<210> 6226

**<211> 571** 

<212> DNA

#### <213> Homo sapiens

### <400> 6226

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<210> 6227

<211> 579

<212> DNA

<213> Homo sapiens

#### <400> 6227

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<211> 577

<212> DNA

<213> Homo sapiens

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<210> 6231

<211> 576

<212> DNA

<213> Homo sapiens

#### **<400>** 6231

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<210> 6232

<211> 564

<212> DNA

<213> Homo sapiens

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#### <400> 6233

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<210> 6234

<211> 583

<212> DNA

<213> Homo sapiens

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<211> 587

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<213≯ Homo sapiens

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(	caaggaactt	acaatgtagc	tggagagaca	caaaacatcc	aaaacagaca	tgaggggctg	300
٤	gctctacctc	cacacctcta	tctgaacaaa	aacgattact	ggcttaagtc	ctcgtgttgt	360
. 8	acgcatgag	ccacaggaat	atcttagcaa	gtacgcactt	tatcaagttt	caatttgcat	420
٤	gtcaaaacaa	aagtttttat	gttggtcatt	tatatttgna	ttcactcaga	tttccctcaa	480
1	tcaaattaaa	agagaaggcc	taattncaag	ccactgnacc	ataatggttg	ctggcctcga	540
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<210> 6236

<211> 574

<212> DNA

<213> Homo sapiens

<400> 6236

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<210> 6237

<211> 165

<212> DNA

<213> Homo sapiens

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<210> 6238

<211> 597

<212> DNA

<213> Homo sapiens

### **<400>** 6238

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<210> 6239

<211> 599

<212> DNA

<213> Homo sapiens

<400> 6239

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<210> 6240

<211> 609

<212> DNA

<213> Homo sapiens

### <400> 6240

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<210> 6241

⟨211⟩ 573

<212> DNA

<213> Homo sapiens

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	sapiens					
	sapiens			·		
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<210> 6244

<211> 596

<212> DNA

<213> Homo sapiens

<400> 6244

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<210> 6245

<211> 511

<212> DNA

<213> Homo sapiens

<400> 6245

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<210> 6246

<211> 566

<212> DNA

<213> Homo şapiens

#### <400> 6246

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# <213≻ Homo sapiens

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gagggggatg	ctgctcctgc	ctggggcctg	cctttattnt	gagggcccct	ggccccaant	420
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<210> 6248

<211> 548

<212> DNA

<213> Homo sapiens

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acaacttgca	atatcaacaa	tgcatttggc	ccaggaactg	ctaatgaacg	tacagtgcag	180
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aggccactgg	aagttgacaa	caaccaattg	agagcaatca	ttgaagcaga	ttgatcctct	300
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accagctgag	ccaaaattta	aaaaaacccc	ggttttgnaa	tggtggcntc	tcttaatctt	480
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	-			•		
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<213> Homo sapiens

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ttccccctc	ttatatctaa	attttgaaac	cactggcctn	taacaagtct	gtantaggct	420
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<211> 535

<212> DNA

<213> Homo sapiens

**<400>** 6252

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<210> 6253

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<213> Homo sapiens

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<210> 6254 .

<211> 547

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<211> 541

<212> DNA

<213> Homo sapiens

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<210> 6257

<211> 429

<212> DNA

<213> Homo sapiens

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<210> 6260

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<213> Homo sapiens

#### <400> 6260

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<210> 6261

⟨211⟩ 545

<212> DNA

<213> Homo sapiens

#### <400> 6261

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gctagaacat tagtggtcag cagggacttg gatacatacc aactgactgt cccaacagga 180 actcagtctc aacagtctac agagggacag tcagggtacc ctggactgct ggcacagctt 240 ggcacatagg aaatggttaa gctgaccctt tcctggcctc cttcccatct aaaaagaaaa 300 aggegeegge gaceteaget geaggttget tecceateea gacgacetta aatategege 360 420 acaaaaataa aagggagcca ggaaaaaaat naaaacataa aagaaattcc cattctgggg 480 aaaccggaag caaggtnaaa ggggaacccg cagaatttan anccagtanc aanatttgtt 540 gctgaggcna aggancaaag taggttactg gccgaacact taacaggatc atctcctggg 545 gaagg

<210> 6262

<211> 510

<212> DNA

<213> Homo sapiens

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<210> 6263

<211> 515

<212> DNA

<213> Homo sapiens

### <400> 6263

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<210> 6264

<211> 460

<212> DNA

<213> Homo sapiens

#### <400> 6264

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<210> 6265

<211> 546

<212> DNA

# <213≻ Homo sapiens

## <400> 6265

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<210> 6266

<211> 368

<212> DNA

<213> Homo sapiens €

### <400> 6266

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#### <400> 6267

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<211> 567

<212> DNA

<213> Homo sapiens

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tcaactttag	ccaaagcctt	ctgagctgca	gtcattttgc	tatttttctt	ttcagtcttc	420
aaatctttag	tattaaactt	agtgtaatct	tctttgnttc	tacaggctca	tctgataact	480

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ataaggctga ccgtaattct ggggtgacgt tgccagtttc atagtcatag ataaacttct 180

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<210> 6271

⟨211⟩ 537

<212> DNA

<213> Homo sapiens

#### <400> 6271

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<210> 6272

<211> 512

<212> DNA

<213> Homo sapiens

#### <400> 6272

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<212> DNA

<213> Homo sapiens

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#### <400> 6274

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⟨211⟩ 556

<212> DNA

<213> Homo sapiens

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<211> 556

<212> DNA

<213> Homo sapiens

#### <400> 6278

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<210> 6279

<211> 555

<212> DNA

# <213> Homo sapiens

# <400> 6279

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⟨211⟩ 559

<212> DNA

<213> Homo sapiens

# <400> 6280

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aacagctgtg	tgccaccatg	cccagctaat	gtttttgtt	tgagacagtc	tcgctctgtc	180

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<210> 6283

<211> 560

<212> DNA

<213≻ Homo sapiens

# <400> 6283

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acaggcgtgc	accaccaagc	ccagttaatt	tttgtatttt	tagtagacat	ggggtttcac	180
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<210> 6284

<211> 580

<212> DNA

<213> Homo sapiens

#### <400> 6284

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<210> 6285

<211> 576

<212> DNA

<213> Homo sapiens

#### <400> 6285

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<210> 6286 <211> 534 <212> DNA <213> Homo sapiens

### <400> 6286

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<210> 6287

₹211> 581

<212> DNA

<213> Homo sapiens

### <400> 6287

caacgtgatc acceaactgt ttaatgtttg aaatttatat ttcatttctg aaggagagga 60 gacagaccca aacttttata tctttccagt tggctgtaca atttctgaac cttgtccttg 120 tagacacctg gtcaccggaa accatcatgt ctgtaaaact accacacagt ccagcctcca 180 tcctcaactg ccgccctctt cctctctgca ctggagccgg ccaggccacc tcctcccaa 240 ccgtggaaca ccatggtgac aggagatggc cctggccagg gggaggctgc tgggactgca 300 cccccatcct gaccagacct ccctctttg tcccctgcag agcctccaag gcaggtcatc 360 ctgacactgc aacccacttt ggtggctgtg ggcaagtcct taccattgag tgcaggtgc 420

ccaccgtgga	gcccctggac	agcctaccct	ttttctggtc	cgnggcaatg	agactctgga	480
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<210> 6288

<211> 561

<212> DNA

<213≻ Homo sapiens

## **<400>** 6288

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cgcccgccac	cacgcccggc	taatttttg	tatttttagt	agagacgggg	tttcaccctg	180
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gctgcgatta	caggcgtgag	ccaccgcgtc	cggccaataa	atggtttcta	attaaaggat	300
tgtgacattt	aatagccgtt	gcttgctctt	gtcttgctcc	cttctctc	gaaacttgtt	.360
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tccattgaat	tgataagact	tttcaagtaa	aagttgcttt	ttanggtagn	atcttcatgg	480
ccttgagaaa	gttgcttggc	tctctttgga	ccaanttggc	actggcnttn	ttaccggaca	540
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<210> 6289

<211> 567

<212> DNA

<213> Homo sapiens

## <400> 6289

gagatagact ctcactctgt cgcccaggct ggagcccagt ggtgcgatct cgactcctg 60 caagctccgc ctcacaggtt catgccattc tcctgcctca gcatctgggg tagctgggac 120

tacaggcgcc agccaccatg cccagctaat tttttgtatt tttagtagag acagggattc 180 accetgttag ceaggaaagt etegatetee tgacceegtg atetgeetge eteggeetee 240 caaagtgctg ggattatagg catgagcctc cgtgcctggc ctcatatccc ttttaaaaaat 300 tactatgata tatccctttt aaaaagtact aactgaaaaa agtactatct ctttaaaaag 360 tactggctca aaaaaataat agaaaataag aaacaaaaaa caggctgaga aaagtgggct 420 cacatetgtt ggccatgetg gtttcaaact cetggacete aagtgaceat gggcettggg 480 ctccgacntg ctnggaatac anggnngaag cccaaaactg ggcccatcct tttaacataa 540 567 acnettgaag ggnaataaag gettgae

<210> 6290

⟨211⟩ 537

<212> DNA

<213> Homo sapiens

<400> 6290

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<210> 6291

<211> 558

<212> DNA

<213> Homo sapiens

#### <400> 6291

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<210> 6292

<211> 570

<212> DNA

<213> Homo sapiens

### <400> 6292

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<210> 6293
<211> 586
<212> DNA
<213> Homo sapiens

### <400> 6293

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<210> 6294

<211> 586

<212> DNA

<213> Homo sapiens

### <400> 6294

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gcaggcaact tatatacagc aaatcetcac actgcctgga catgtgccac ttttttggtg 360 gttttaatat attttteett tetggntgee aatttagaet gaattettaa ngatttatet 420 tggatgaett agaaaaatee eetgneettt ettaetttgg tteaagnagg accagneatg 480 aaaattgagt naggeetett aaaaaatgga aggteneaga teeeatgggg gaaggtttan 540 gaaneeettn eeaggtaatg gateeeggga atnttaacag gttaan 586

<210> 6295

〈211〉 588

<212> DNA

<213> Homo sapiens

<400> 6295

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<210> 6296

<211> 582

<212> DNA

<213> Homo sapiens

<400> 6296

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<210> 6297

⟨211⟩ 575

<212> DNA

<213> Homo sapiens

### <400> 6297

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actttttcta	ccagatttta	atactgagta	tgaacatcac	atgtagtttc	ttttcgcttt	180
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tctttttta	aaaaaaggac	acttttaatc	tttattggta	actttttctt	attgtagcaa	300
aagtgcataa	tattacattt	accatcttgc	ccattttgta	ttgtacagtt	cagtagtgct	360
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atgctggtat	ccattaaaca	atttcccttt	tccccatcc	ctcattctct	ggcagccaca	480
atcttattct	ggctctatga	atngctactt	aaagnacctc	atcnggtaga	atgatncatt	540
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<210> 6298

<211> 579 <212> DNA <213> Homo sapiens

### <400> 6298

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<210> 6299

⟨211⟩ 584

<212> DNA

<213> Homo sapiens

### <400> 6299

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attcctccca	tagagcctgg	ccaaatcaca	ggctttctgc	tgtaggcact	cattgagctt	480
gctgccgccg	ttgncctttc	ctttcctttc	ccggntttgn	ggggggcctt	tggaaatggg	540
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<210> 6300

⟨211⟩ 571

<212> DNA

<213> Homo sapiens

### <400> 6300

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<210> 6301

<211> 574

<212> DNA

<213> Homo sapiens

### <400> 6301

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<210> 6302

⟨211⟩ 581

<212> DNA

<213> Homo sapiens

### **<400>** 6302

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<210> 6303

<211> 583

<212> DNA

# <213≻ Homo sapiens

# <400> 6303

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caacctgcat	tcatttttct	taaaactaca	tttaaatatt	ttagtacatc	acagtttatt	180
ataaaataac	cttgagtatt	tgtctacatc	ccttgaggta	ttacaccagt	tttcaactaa	240
gaaatcagca	ggaatagaaa	cactgcacac	aaaacctaca	aaacctccta	tcaacaggga	300
agagtgaaca	agaatgtatc	ctgtctgcac	agggacagtc	ggcatgaaaa	atatagcaag	360
tcaaagggct	ggcaagatgg	ctgaatagga	acagetetgg	tctgcagctc	ccagcaagat	420
caatgcagaa	ggtgggtgat	tctgcatctt	caactgaggg	tcctagctca	tctcattagg	480
actgggtaga	cagtgggtgc	agancacgga	gggccagcag	aancnngggt	tggccgtcgc	540
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<210> 6304

<211> 581

<212> DNA

<213≻ Homo sapiens

# <400> 6304

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acagatgcac	gccaccaggc	ctagctaatt	tttgtatttt	cagtagagac	agggtttcac	180
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300

360

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<211> 583

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<213> Homo sapiens

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<212> DNA

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**<211>** 591

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<213> Homo sapiens

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# <213≻ Homo sapiens

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⟨210⟩ 6311

⟨211⟩ 589

<212> DNA

<213> Homo sapiens

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<212> DNA

<213> Homo sapiens

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<210> 6315

<211> 587

<212> DNA

<213> Homo sapiens

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<211> 578

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<213> Homo sapiens

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**<211> 512** 

<212> DNA

<213> Homo sapiens

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**<211> 530** 

<212> DNA

<213> Homo sapiens

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<211> 516

<212> DNA

<213≻ Homo sapiens

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<210> 6322

<211> 598

<212> DNA

<213> Homo sapiens

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<210> 6323

<211> 594

<212> DNA

<213> Homo sapiens

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<210> 6324
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<212> DNA
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**<211>** 599

<212> DNA

<213> Homo sapiens

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⟨210⟩ 6326

<211> 585

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<213> Homo sapiens

#### <400> 6326

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<210> 6327

<211> 593

<212> DNA

<213> Homo sapiens

<400> 6327

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<210> 6329

<211> 584

<212> DNA

<213≻ Homo sapiens

## ⟨400⟩ 6329

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tgaggtgcat	gggcccatgc	tacacggccc	aactcaggag	taggacaagg	tgtggcagcc	480
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<210> 6330

<211> 594

<212> DNA

<213≻ Homo sapiens

# <400> 6330

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<210> 6333

<211> 591

<212> DNA

<213> Homo sapiens

<400> 6333

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<210> 6334

<211> 540

<212> DNA

<213> Homo sapiens

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<210> 6335

⟨211⟩ 553

<212> DNA

<213> Homo sapiens

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<213> Homo sapiens

⟨210⟩ 6336

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<210> 6338

⟨211⟩ 593

<212> DNA

<213> Homo sapiens

#### <400> 6338

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<210> 6339

<211> 579

<212> DNA

<213> Homo sapiens

<400> 6339

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<210> 6340

<211> 586

<212> DNA

<213> Homo sapiens

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<210> 6341

<211> 596

<212> DNA

<213> Homo sapiens

## <400> 6341

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<210> 6342

<211> 594

<212> DNA

<213> Homo sapiens

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<211> 602

<212> DNA

<213> Homo sapiens

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<212> DNA

<213> Homo sapiens

### <400> 6346

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<212> DNA

<213> Homo sapiens

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<210> 6350

<211> 190

<212> DNA

<213≯ Homo sapiens

<400> 6350

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<210> 6351

<211> 525

<212> DNA

<213≻ Homo sapiens

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<210> 6352

<211> 559

<212> DNA

<213≻ Homo sapiens

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<210> 6353

<211> 535

<212> DNA

<213> Homo sapiens

<400> 6353

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<210> 6354

⟨211⟩ 558

<212> DNA

<213> Homo sapiens

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<210> 6355

⟨211⟩ 534

<212> DNA

### <213> Homo sapiens

### <400> 6355

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<210> 6356

<211> 550

<212> DNA

<213> Homo sapiens

### <400> 6356

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240

300

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⟨211⟩ 538

<212> DNA

<213> Homo sapiens

<400> 6359

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<210> 6360

<211> 555

<212> DNA

<213> Homo sapiens

<400> 6360

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<213> Homo sapiens

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<210> 6362

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<212> DNA

<213> Homo sapiens

### <400> 6362

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<210> 6363

⟨211⟩ 551

<212> DNA

<213> Homo sapiens

#### <400> 6363

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,					
sapiens					,
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sapiens					
•					
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<211> 568

<212> DNA

<213> Homo sapiens

#### <400> 6366

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<210> 6367

<211> 492

<212> DNA

<213> Homo sapiens

<400> 6367

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<210> 6368 ⋅

⟨211⟩ 583

<212> DNA

<213> Homo sapiens

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<210> 6369

<211> 573

<212> DNA

### <213> Homo sapiens

#### <400> 6369

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<210> 6370

<211> 580 ·

<212> DNA

<213> Homo sapiens

### <400> 6370

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<212> DNA						
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⟨210⟩ 6373

⟨211⟩ 572

<212> DNA

<213> Homo sapiens

<400> 6373

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<210> 6374

<211> 575

<212> DNA

<213> Homo sapiens

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<210> 6375

<211> 566

<212> DNA

<213> Homo sapiens

#### <400> 6375

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<210> 6376

<211> 558

<212> DNA

<213> Homo sapiens

<400> 6376

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<210> 6377

<211> 563

<212> DNA

<213> Homo sapiens

<400> 6377

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<210> 6380

⟨211⟩ 584

<212> DNA

<213> Homo sapiens

<400> 6380

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<210> 6381

<211> 583

<212> DNA

# <213≻ Homo sapiens

# <400> 6381

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agttttaaaa	tgctagtttg	gttggtttgg	cttggaaagg	angtaaaagt	gggaagtnaa	540
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<210> 6382

<211> 586

<212> DNA

<213≻ Homo sapiens

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<210> 6385

⟨211⟩ 579

<212> DNA

<213> Homo sapiens

# <400> 6385

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tca	ttaacta	tctgcggggt	gaacaaagaa	tcccaatcct	tagatgtccc	aggactcatg	540
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<210> 6386

<211> 570

<212> DNA

<213> Homo sapiens

#### <400> 6386

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<210> 6387

<211> 557

<212> DNA

<213> Homo sapiens

### <400> 6387

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<210> 6388 <211> 585 <212> DNA <213> Homo sapiens

### <400> 6388

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<210> 6389

<211> 572

<212> DNA

<213> Homo sapiens

### <400> 6389

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<210> 6390

⟨211⟩ 582

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<213> Homo sapiens

<400> 6390

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<211> 575

<212> DNA

<213> Homo sapiens

<400> 6391

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<211> 476

<212> DNA

<213> Homo sapiens

#### <400> 6392

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<210> 6393

<211> 566

<212> DNA

<213> Homo sapiens

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<210> 6394

<211> 582

<212> DNA

<213> Homo sapiens

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tengeaagee	ccttttagtc	cacttgaagg	accgggtcaa	ggtgaaggct	tnaaaacttt	540
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<210> 6396

<211> 581

<212> DNA

<213> Homo sapiens

### <400> 6396

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<210> 6397

<211> 544

<212> DNA

<213> Homo sapiens

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<210> 6398

<211> 559

<212> DNA

<213> Homo sapiens

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<210> 6399

**<211>** 522

<212> DNA

<213> Homo sapiens

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<211> 570

<212> DNA

<213> Homo sapiens

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⟨210⟩ 6401

<211> 519

<212> DNA

<213> Homo sapiens ⋅

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<211> 547

<212> DNA

<213> Homo sapiens

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<210> 6405

<211> 588

<212> DNA

<213> Homo sapiens

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<211> 557

<212> DNA

<213> Homo sapiens

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<210> 6407

<211> 580
<212> DNA
<213> Homo sapiens

### <400> 6407

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<210> 6408

<211> 573

<212> DNA

<213> Homo sapiens

#### <400> 6408

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<211> 575

<212> DNA

<213> Homo sapiens

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<211> 584

<212> DNA

<213> Homo sapiens

#### <400> 6412

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<210> 6413

<211> 574

<212> DNA

<213> Homo sapiens

#### **<400>** 6413

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<210> 6414 <211> 583 <212> DNA <213> Homo sapiens

#### <400> 6414

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<210> 6415

⟨211⟩ 586

<212> DNA

<213> Homo sapiens

#### <400> 6415

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taaaatagag catttaaaat attatcagtg cattcatgag gaaagacaaa ataatacaaa 360 acaaaatgtc atcctatctg agaggaaaat gtctgcagaa ataaaagtga tttacacata 420 atagaaaagt ggaagacaaa aaaataatca acacacactc aaatctggga ttgggttaca 480 tncacacaag ggctgnttac tattatggca tnccatctct tgcttttcca gttttaaact 540 tgcaaatcca attcttaatt aatgggnagg aaattccaaa aggaag 586

<210> 6416

<211> 574

<212> DNA

<213> Homo sapiens

<400> 6416

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<210> 6417

<211> 534

<212> DNA

<213> Homo sapiens

<400> 6417

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<210> 6418

<211> 577

<212> DNA

<213> Homo sapiens

#### <400> 6418

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<210> 6419

⟨211⟩ 582

<212> DNA

<213> Homo sapiens

#### <400> 6419

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<210> 6420

<211> 468

<212> DNA

<213> Homo sapiens

#### **<400>** 6420

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<210>	6421	
<211>	573	
<212>	DNA	
<b>&lt;213&gt;</b>	Homo	sapiens

## <400> 6421

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<210> 6422

⟨211⟩ 578

<212> DNA

<213> Homo sapiens

#### **<400>** 6422

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aactgttgat atgaataaca aaaataatga gatttaagaa catgtaaaag attggaacag 360 tcaatttaca aaagaaaata tgtgactggc taacaagcaa atgaaaagtt ctcaacatca 420 gtactcatca gggaaatgca actaacatct tacatctact aacatgacta aaatcaaatg 480 gagaacaatn tcagatggta gtgagcnttg aagagccact ngnactttca taccttgntg 540 ccgggggtgt aaaatggtgc catcgttcan aaactcng 578

<210> 6423

<211> 574

<212> DNA

<213> Homo sapiens

<400> 6423

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<210> 6424

**<211> 578** 

<212> DNA

<213> Homo sapiens

<400> 6424

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<210> 6425

<211> 569

<212> DNA

<213> Homo sapiens

#### <400> 6425

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6441

<210> 6426

<211> 580 <212> DNA <213> Homo sapiens

#### <400> 6426

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<210> 6427

⟨211⟩ 578

<212> DNA

<213> Homo sapiens

#### <400> 6427

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<210> 6428

<211> 572

<212> DNA -

<213> Homo sapiens

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<210> 6429

<211> 549

<212> DNA

<213> Homo sapiens

<400> 6429

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ctcattcttc tgcatgttaa agttcaaagg ctactataaa ggacgtattt taagaaatcc 180 ttccttcttg aataatgtct gccccttgca attttcaaag tactttaaga tcatgagatc 240 tcagttgttt agcagaactc ttaaatctta aattatcttc aattcctaag gtcttgggta 300 cttcaattaa cattccattt aacaaatatt tgtgaatacc aattctgtgc caggttagac 360 caagaggact caaagaagag gaagaaatcc ttgtcttcaa caggtctggt cagctctgaa 420 gattccctga aatgtgacat gtaccgtgac tgttgcattc tggagtagcc actacactgg 480 nntaaatene aaattgggga ggetetteta aggagtneea eagnatttea eeaaggngat 540 cccggntaa 549

<210> 6430

⟨211⟩ 534

<212> DNA

<213> Homo sapiens

<400> 6430

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<210> 6431

<211> 588

<212> DNA

<213> Homo sapiens

#### <400> 6431

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<210> 6432

<211> 525

<212> DNA

<213> Homo sapiens

#### <400> 6432

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#### <400> 6433

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<210> 6434

<211> 593

<212> DNA

<213> Homo sapiens

# <400> 6434

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<210> 6435

⟨211⟩ 588

<212> DNA

<213> Homo sapiens

#### <400> 6435

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<210> 6436

**<211>** 598

<212> DNA

<213> Homo sapiens

<400> 6436

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<210> 6437

⟨211⟩ 589

<212> DNA

<213> Homo sapiens

# <400> 6437

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<210> 6438 €

**<211>** 553

<212> DNA

<213> Homo sapiens

#### <400> 6438

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<210> 6439

<211> 587

<212> DNA

<213> Homo sapiens

#### <400> 6439

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	•					
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<210> 6442

⟨211⟩ 573

<212> DNA

<213> Homo sapiens

#### <400> 6442

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<210> 6443

⟨211⟩ 571

<212> DNA

<213> Homo sapiens

#### <400> 6443

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<210> 6444

<211> 564

<212> DNA

<213> Homo sapiens

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<210> 6447

<211> 557

<212> DNA

<213> Homo sapiens

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<210> 6448

<211> 563

<212> DNA

<213> Homo sapiens

<400> 6448

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<211> 562

<212> DNA

<213> Homo sapiens

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<211> 536

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<213> Homo sapiens

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<210> 6452

<211> 565

<212> DNA

<213> Homo sapiens

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<211> 581

<212> DNA

<213> Homo sapiens

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<210> 6454

⟨211⟩ 531

<212> DNA

<213> Homo sapiens

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<210> 6455

<211> 557

<212> DNA

<213> Homo sapiens

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<212> DNA

<213> Homo sapiens

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<210> 6458

⟨211⟩ 573

<212> DNA

<213> Homo sapiens

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<210> 6459

<211> 544

<212> DNA

<213≻ Homo sapiens

# <400> 6459

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<211> 546

<212> DNA

<213> Homo sapiens

<400> 6460

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<211> 567

<212> DNA

<213≻ Homo sapiens

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aaaacttcac	atgtctnctt	gaacctttgt	tngggtntta	agctttttg	gcaaacttng	540
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<210> 6462

<211> 538

<212> DNA

<213> Homo sapiens

#### <400> 6462

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<210> 6463

<211> 575

<212> DNA

<213> Homo sapiens

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<210> 6466

⟨211⟩ 575

<212> DNA

<213> Homo sapiens

#### <400> 6466

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<210> 6467

<211> 579

<212> DNA

<213> Homo sapiens

#### <400> 6467

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<210> 6468

<211> 576

<212> DNA

<213> Homo sapiens

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<210>	6469	
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<212>	DNA	
<213>	Homo	sapiens

#### <400> 6469

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<210> 6470

<211> 497

<212> DNA

<213> Homo sapiens

# <400> 6470

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⟨211⟩ 604

<212> DNA

<213> Homo sapiens

### <400> 6473

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<211> 600

<212> DNA

## <213> Homo sapiens

### <400> 6474

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<210> 6475

<211> 577

<212> DNA

<213> Homo sapiens

## <400> 6475.

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ctactcatac ttttcaacaa actgggaaaa aagtcttctc taaaatcagc atctacttgg 240

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<210> 6478

<211> 354

<212> DNA

<213> Homo sapiens

#### <400> 6478

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<210> 6479

<211> 589

<212> DNA

<213> Homo sapiens

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⟨211⟩ 586

<212> DNA

<213> Homo sapiens

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<210> 6481

<211> 588

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<213> Homo sapiens

#### <400> 6481

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<210> 6482

<211> 537

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<213> Homo sapiens

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<210> 6483
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<210> 6484

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<213> Homo sapiens

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<210> 6485

<211> 550

<212> DNA

<213> Homo sapiens

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gaagagaatt						550

<210> 6486

**<211> 562** 

<212> DNA

<213> Homo sapiens

# <400> 6486

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<210> 6487

<211> 618

<212> DNA

<213> Homo sapiens

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<210> 6488

<211> 617
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## <400> 6488

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<210> 6489 €

<211> 617

<212> DNA

<213> Homo sapiens

### <400> 6489

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<210> 6490

⟨211⟩ 612

<212> DNA

<213> Homo sapiens

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<210> 6491

⟨211⟩ 608

<212> DNA

<213> Homo sapiens

#### <400> 6491

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<210> 6492

<211> 553

<212> DNA

<213> Homo sapiens

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<210> 6502

<211> 412

<212> DNA

<213> Homo sapiens

## **<400>** 6502

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<210> 6503

⟨211⟩ 562

<212> DNA

<213> Homo sapiens

<400> 6503

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<210> 6504

⟨211⟩ 552

<212> DNA

<213> Homo sapiens

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<212> DNA

<213> Homo sapiens

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<210> 6507

⟨211⟩ 562

<212> DNA

<213> Homo sapiens

# <400> 6507

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<210> 6508

<211> 563

<212> DNA

<213> Homo sapiens

# <400> 6508

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<210> 6509

⟨211⟩ 553

<212> DNA

<213> Homo sapiens

### <400> 6509

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<210> 6510

⟨211⟩ 496

<212> DNA

# <213≯ Homo sapiens

# <400> 6510

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<210> 6511

<211> 542

<212> DNA

<213> Homo sapiens

# <400> 6511

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300

360

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<211> 500

<212> DNA

<213> Homo sapiens

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<210> 6515

<211> 551

<212> DNA

<213≯ Homo sapiens

# <400> 6515

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<211> 548

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<213> Homo sapiens

# <400> 6516

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<210> 6517

<211> 550

<212> DNA

## <213> Homo sapiens

### <400> 6517

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<210> 6518

⟨211⟩ 523

<212> DNA.

<213> Homo sapiens

## <400> 6518

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<210> 6520

<211> 548

<212> DNA

<213> Homo sapiens

<400> 6520

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<210> 6521

⟨211⟩ 532

<212> DNA

<213> Homo sapiens €

# <400> 6521

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<210> 6522

<211> 540

<212> DNA

<213> Homo sapiens

<400> 6522

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<210> 6523

⟨211⟩ 523

<212> DNA

<213> Homo sapiens

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<210> 6524

<211> 526

<212> DNA

<213> Homo sapiens

#### <400> 6524

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<212> DNA

<213> Homo sapiens

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<212> DNA

<213> Homo sapiens

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